ThinkVision®

Personal Systems Reference Lenovo® ThinkVision® Monitors

October 2011 - Version 408

ThinkVision L2321x Wide Monitor

*Visit **www.lenovo.com/psref** for the latest version*

Name	**D186 Wide Flat Panel Monitor**
Case color	**Business black**
Type-model	**2580-AB1**
Panel	TFT-LCD, twisted nematic (TN), CCFL backlight
Viewable image size	**18.5"** (**470mm**) diagonal
Max view area (W x H)	16.1" x 9.1" / 409.8mm x 230.4mm
Optimum resolution	**1366x768** at 60Hz
Maximum resolution	1366x768 at 60Hz (135MHz max pixel rate)
Aspect ratio	16:9
Pixel pitch (mm)	.300mm
Dot/Pixel per Inch	85 dpi
Brightness	200 nits or cd/m^2 (typical)
Contrast ratio	600:1 (typical)
Pixel response time	5ms (typical)
Color gamut	67%
Anti-reflective	Anti-reflective, anti-glare
Viewing angle at 10:1 CR	90° (+/- 45°) horizontal, 50° (+/- 25°) vertical
Stand	Tilt adjustable stand
Bezel width	*Sides:* 0.61" (15.6mm); *top:* 0.67" (17.1mm); *bottom:* 1.19" (30.1mm)
Dimensions (HxWxD)	14.6" H x 17.4" W x 8.3" D; 370mm H x 442mm W x 210mm D
Power supply	16 watts typical, 24 watts maximum, <1 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	7.28 lb; 3.3kg
Limited warranty[4]	**3 years** (includes backlight)
Available date	January 2010
VESA-compliant[2]	VESA DDC2B/CI, VESA DPMS-compliant
Power management	None
Ergonomics	ISO 9241-307
Pixel defect	ISO 9241-307 pixel defect standard
Emission standards	FCC Class B
Environmental	WEEE, RoHS (EU Directive 2002/95/EC),
Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768 WXGA: 1280x720, 1280x768, 1360x768, 1366x768
Presets	Standard presets: 20; user settings: 16

Features

- Widescreen 18.5-inch monitor
- High Definition (HD) ready; 1366x768 resolution
- Detachable stand tilts for comfortable viewing
- Supports VESA mount (100mm)
- 50% less mercury
- Kensington® lock slot ready for enhanced security

Lenovo D186 Wide Monitor

Viewing adjustments	*Tilt:* 20° back, -5° forward; no lift; no swivel; detachable stand
Rotating screen	None
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (control buttons on front) for automatic image setup and adjustment for brightness
USB hub	None
Multiple input	None
Monitor connectors	VGA 15-pin D-shell, analog, blue
Signal cables	Detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington lock-compatible)
Ship group	Monitor, attached stand, Setup poster, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, 1.8 meter analog signal cable, 1.8 meter black power cord

Limited Warranty

- **3 year limited warranty**[4]
- **International Warranty Service**[5]
- **Rapid Replacement Service at 1-800-426-7378**
- **Replacement normally arrives in two business days, excluding holidays**
- **Lenovo pays all shipping costs for valid warranty claims**[6]
- **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (ThinkPlus™ part number 41C9209)
  - **3 year, on site exchange, 7 day x 24 hr with 4 hour response** (41C9212)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - **4 year, on site exchange, 7 day x 24 hr with 4 hour response** (41C9216)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

Accessories

Kensington MicroSaver® Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620
Lenovo Easy Reach Monitor Stand	55Y9258

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information
US model announced January 12, 2010

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Name	**L2021 Wide Flat Panel Monitor**
Case color	**Business black**
Type-model	**4449-HB1**
Panel	TFT-LCD, twisted nematic (TN), CCFL backlight
Viewable image size	**20.0" / 508mm** (diagonal)
Max view area (W x H)	17.4" x 9.8" / 443mm x 249mm
Optimum resolution	**1600x900** at 60Hz
Aspect ratio	16:9
Pixel pitch (mm)	0.277mm
Dot/Pixel per Inch	92 dpi
Brightness	250 nits or cd/m^2 (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	5ms (typical)
Color gamut	72%
Anti-reflective	Anti-reflective, anti-glare
Vertical frequency	50 to 75 Hz
Horizontal frequency	31 to 81 kHz
Viewing angle at 5:1 CR	178° (+/- 89°) horizontal, 170° (+/- 85°) vertical
Viewing angle at 10:1 CR	170° (+/- 85°) horizontal, 160° (+/- 80°) vertical
Stand	Tilt adjustable stand
Bezel width	*Sides:* 0.48" (12.1mm); *top:* 0.47" (11.9mm); *bottom:* 0.39" (10.1mm)
Dimensions (HxWxD)	14.1" H x 18.7" W x 5.9" D; 357.5mm H x 475.9mm W x 151.2mm D
Power supply	22 watts typical, 27 watts maximum, <1 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	9.24 lb; 4.2kg
Limited warranty[4]	**3 years** (includes backlight)
Available date	September 2010

VESA-compliant[2]	VESA DDC2B/CI, VESA DPMS-compliant
Power management	ENERGY STAR®[3] 5.0
Ergonomics	ISO 9241-307
Emission standards	MPR-2, FCC Class B
Environmental	**EPEAT™ Gold rating**, TCO (TCO Displays 5.0), WEEE, RoHS (EU Directive 2002/95/EC)

Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600, 832x624 XGA: 1024x768, 1152x864 WXGA: 1280x720, 1280x768, 1280x800, 1366x768 SXGA: 1280x1024 WXGA+: 1440 x 900, 1600x900
Presets / user settings	Standard presets: 25; user settings: 20

Features

- All-purpose 20-inch wide flat panel LCD monitor
- View images in a 16x9 wide aspect ratio
- High-bandwidth Digital Content Protection (HDCP)-compliant
- Tilt and cable management stand
- Compliance with ENERGY STAR 5.0
- 50% less mercury
- Microsoft® Windows® 7 certified

Lenovo L2021 Wide Monitor

Lenovo L2021 Wide Monitor rear view with cable management

Viewing adjustments	*Tilt:* 20° back, -5° forward; detachable stand
Rotating screen	None
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (control buttons on front) for automatic image setup
USB hub	None
Multiple input	Multiple input (two different PCs attach to two different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) Digital Visual Interface (DVI-D) for digital attach [white], **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DVI-D at each end (for digital connector), 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (75mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor, attached stand, Setup poster, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, analog signal cable, digital signal cable, 1.8m power cord

Limited Warranty

- **3 year limited warranty**[4]
- **International Warranty Service**[5]
- **Rapid Replacement Service at 1-800-426-7378**
- **Replacement normally arrives in two business days, excluding holidays**
- **Lenovo pays all shipping costs for valid warranty claims**[6]
- **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (ThinkPlus™ part number 41C9209)
  - **3 year, on site exchange, 7 day x 24 hr with 4 hour response** (41C9212)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - **4 year, on site exchange, 7 day x 24 hr with 4 hour response** (41C9216)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

Accessories

ThinkVision Soundbar	45K1263
Kensington® MicroSaver® Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information

US model announced September 21, 2010

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Lenovo® LS2221 Wide

Name	**LS2221 Wide Flat Panel Monitor**
Case color	**High gloss black**
Type-model	**5453-LS1**
Panel	TFT-LCD, twisted nematic (TN), White LED backlight
Viewable image size	**21.5"** (**546mm**) diagonal
Max view area (W x H)	18.76" x 10.55" (476.6mm x 268.1mm)
Native resolution	**1920x1080**
Aspect ratio	16:9
Pixel pitch (mm)	.248mm
Dot/Pixel per Inch	103 dpi
Brightness	250 nits or cd/m² (typical)
Contrast ratio	1000:1 (typical)
Dynamic contrast ratio	10000000:1
Pixel response time	5ms (typical)
Color gamut	72%
Viewing angle at 10:1 CR	170° (+/- 85°) horizontal, 160° (+/- 80°) vertical
Stand	Tilt adjustable stand
Bezel width	*Sides:* 0.925" (23.5mm)
Dimensions (HxWxD)	15.38" H x 20.67" W x 7.08" D; 390.7mm H x 525.0mm W x 179.8mm D
Power supply	18 watts typical, 30 watts maximum, <1 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	8.69 lb; 3.95 kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	August 2011

VESA-compliant[2]	VESA DDC2B/CI, VESA DPMS-compliant
Power management	ENERGY STAR® 5.1
Ergonomics	ISO 9241-307
Emission standards	FCC Class B
Environmental	TCO (TCO Displays 5.2), WEEE, RoHS

Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600, 832x624 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA: 1280x800, 1280x768, 1366x768 WXGA+: 1440x900, 1600x900 WSXGA+: 1680x1050 Full HD: 1920x1080
Presets / user settings	Standard presets: 32 (VGA), 32 (DVI); user settings: 20

Features

- Widescreen 21.5-inch monitor
- Supports Full HD 1920x1080 resolution
- Ergonomic stand tilts
- Includes dual input connection for attachment to two systems concurrently (analog and digital)
- Mercury free panel and arsenic free glass
- Microsoft® Windows® 7 certified

Lenovo LS2221 Wide Monitor

Viewing adjustments	*Tilt:* 20° backward, -5° forward
Rotating screen	None
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup, dual input and NOVO vision
Multiple input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) Digital Visual Interface (DVI-D), digital, white, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DVI-D at each end, digital, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)
Ship group	Monitor, attached stand, Setup poster, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, 1.8 meter analog signal cable, 1.8 meter digital signal cable, 1.8 meter black power cord

Limited Warranty

- **3 year limited warranty**[4]
- **International Warranty Service**[5]
- **Rapid Replacement Service at 1-800-426-7378**
- **Replacement normally arrives in two business days, excluding holidays**
- **Lenovo pays all shipping costs for valid warranty claims**[6]
- **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (ThinkPlus™ part number 41C9209)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

Accessories

Kensington® MicroSaver® Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620
Lenovo Easy Reach Monitor Stand	55Y9258
ThinkCentre Extend Arm	57Y4352

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information
US model announced August 2, 2011

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Lenovo® LS2421p Wide

Name	**LS2421p Wide Flat Panel Monitor**
Case color	**High gloss black**
Type-model	**4015-LS1**
Panel	TFT-LCD, twisted nematic (TN), White LED backlight
Viewable image size	**23.6"** (**598mm**) diagonal
Max view area (W x H)	20.52" x 11.54" (521.3mm x 293.2mm)
Native resolution	**1920x1080**
Aspect ratio	16:9
Pixel pitch (mm)	.272mm
Dot/Pixel per Inch	93 dpi
Brightness	300 nits or cd/m² (typical)
Contrast ratio	1000:1 (typical)
Dynamic contrast ratio	10000000:1
Pixel response time	5ms (typical)
Color gamut	72%
Viewing angle at 10:1 CR	170° (+/- 85°) horizontal, 160° (+/- 80°) vertical
Stand	Tilt adjustable stand
Bezel width	*Sides:* 0.968" (24.6mm)
Dimensions (HxWxD)	13.78" H x 22.44" W x 7.47" D; 350.0mm H x 572.0mm W x 189.8mm D
Power supply	30 watts typical, 35 watts maximum, <1 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	9.79 lb; 4.44 kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	August 2011

VESA-compliant[2]	VESA DDC2B/CI, VESA DPMS-compliant
Power management	ENERGY STAR® 5.1
Ergonomics	ISO 9241-307
Emission standards	FCC Class B
Environmental	TCO (TCO Displays 5.2), WEEE, RoHS

Preset resolutions	VGA:	640x350, 640x480, 720x400
	SVGA:	800x600, 832x624
	XGA:	1024x768, 1152x864
	SXGA:	1280x1024
	WXGA:	1280x800, 1280x768, 1366x768
	WXGA+:	1440x900, 1600x900
	WSXGA+:	1680x1050
	Full HD:	1920x1080
Presets / user settings	Standard presets: 30 (VGA), 27 (HDMI); user settings: 20	

Features

- Widescreen 23.6-inch monitor
- Supports Full HD 1920x1080 resolution
- Ergonomic stand tilts
- Includes dual input connection for attachment to two systems concurrently (analog and digital)
- Mercury free panel and arsenic free glass
- Microsoft® Windows® 7 certified

Lenovo LS2421p Wide Monitor

Viewing adjustments	*Tilt:* 20° backward, -5° forward
Rotating screen	None
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup, dual input, brightness and NOVO vision
USB hub	USB 2.0 Hub (1 port into PC, 4 ports for accessories)
Multiple input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) HDMI (1.3), digital, black, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, HDMI at each end, digital, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor, attached stand, Setup poster, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, 1.8 meter analog signal cable, 1.8 meter digital signal cable, 1.8 meter black power cord

Limited Warranty

- **3 year limited warranty**[4]
- **International Warranty Service**[5]
- **Rapid Replacement Service at 1-800-426-7378**
- **Replacement normally arrives in two business days, excluding holidays**
- **Lenovo pays all shipping costs for valid warranty claims**[6]
- **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (ThinkPlus™ part number 41C9209)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

Accessories

Kensington® MicroSaver® Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620
Lenovo Easy Reach Monitor Stand	55Y9258
ThinkCentre Extend Arm	57Y4352

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information
US model announced August 2, 2011

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Lenovo® ThinkVision® LT1421 Wide Mobile Monitor

Name	**LT1421 Wide Mobile Monitor**
Case color	**Raven black**
Type-model	**1452-DS6 (with Protective Cover)**
Panel	TFT-LCD, twisted nematic (TN), White LED backlight
Viewable image size	**14.0"** (**355.6mm**) diagonal
Max view area (W x H)	12.2" x 6.9" (310.8mm x 175.3mm)
Optimum resolution	**1366x768**
Aspect ratio	16:9
Pixel pitch (mm)	.227mm
Dot/Pixel per Inch	112 dpi
Brightness	200 nits or cd/m² (typical)
Contrast ratio	400:1 (typical)
Pixel response time	8ms (typical)
Color gamut	45%
Viewing angle at 10:1 CR	90° (+/- 45°) horizontal, 50° (+/- 25°) vertical
Stand	Tilt adjustable stand
Bezel width	*Sides:* 0.476" (12.1mm)
Dimensions (HxWxD)	8.58" H x 13.19" W x 0.37-0.85" D; 217.9mm H x 335mm W x 9.3-21.5mm D
Power supply	4.2 watts typical, 5 watts maximum, <0.1 watts standby/suspend, universal, USB 2.0 cable (no external brick-like power supply)
Weight	*monitor only:* 1.91 lb; 0.87 kg; *with Protective Cover:* 2.31 lb; 1.05 kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	September 2011

VESA-compliant[2]	VESA DDC2B/CI, VESA DPMS-compliant
Power management	ENERGY STAR®[3] 5.1
Emission standards	FCC Class B
Environmental	WEEE, RoHS
Preset resolutions	Display mode and resolution auto setup

Protective Cover	Polycarbonate Snap-On Cover protects the LCD Screen while not in use

Features

- Widescreen 14-inch mobile monitor designed for ThinkPad
- Light and Slim
- Super low power (<5 watts)
- Supports 1366x768 resolution
- Ergonomic stand tilts, provides a 12° - 40° backward tilt adjustment for comfortable viewing
- Detachable USB cable for power and signal
- Microsoft® Windows® 7 certified

ThinkVision LT1421 Wide Mobile Monitor

ThinkVision LT1421 Wide Mobile Monitor with ThinkPad Edge E420s

Viewing adjustments	*Tilt:* 12° - 40° backward
Screen control	Brightness (16 levels)
Input	USB input
Monitor connectors	USB 2.0
Signal cables	detachable, USB Y-Type cable, 1.8 meter
Mounting features	None
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor, attached tile stand that cannot be removed, Setup poster, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, 1.8 meter USB Y-Type cable, Protective Cover

Limited Warranty

- **3 year limited warranty**[4]
- **International Warranty Service**[5]
- **Rapid Replacement Service at 1-800-426-7378**
- **Replacement normally arrives in two business days, excluding holidays**
- **Lenovo pays all shipping costs for valid warranty claims**[6]
- **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (ThinkPlus™ part number 41C9209)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

Accessories

Kensington® MicroSaver® Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information
US model announced August 16, 2011

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Lenovo® ThinkVision® L1711p

Personal Systems Reference (PSREF)

Name	**L1711p Flat Panel Monitor**
Case color	**Business black**
Type-model	**5047-HB2**
Panel	TFT-LCD, twisted nematic (TN), CCFL backlight
Viewable image size	**17.0"** (**432mm**) diagonal
Max view area (W x H)	13.3" x 10.6" (337.9mm x 270.3mm)
Optimum resolution	**1280x1024** at 60Hz
Maximum resolution	1280x1024 at 75Hz (165MHz max pixel rate)
Aspect ratio	5:4
Pixel pitch (mm)	0.264mm
Dot/Pixel per Inch	96 dpi
Brightness	250 nits or cd/m^2 (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	5ms (typical)
Color gamut	72%
Anti-reflective	Anti-reflective, anti-glare
Vertical frequency	50 to 75Hz
Horizontal frequency	30 to 83kHz
Viewing angle at 10:1 CR	160° (+/- 80°) horizontal, 160° (+/- 80°) vertical
Stand	Tilt height adjustable stand
Bezel width	*Sides:* 0.6" (15.3mm); *top:* 0.72" (18.4mm); *bottom:* 1.11" (28.1mm)
Dimensions (HxWxD)	16-20.33" H x 14.6" W x 6.1" D; 405.7-515.7mm H x 370mm W x 155.2mm D
Power supply	18 watts typical, 21 watts maximum, <1 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	9.3 lb; 4.21kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	November 2009
VESA-compliant[2]	VESA DDC2B/CI, VESA DPMS-compliant
Power management	ENERGY STAR® 5.0
Ergonomics	ISO 9241-307
Emission standards	MPR-2. MPR-3A, FCC Class B
Environmental	TCO (TCO Displays 5.0), WEEE, RoHS, **EPEAT™ Gold rating**
Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768 SXGA: 1280x1024
Presets / user settings	Standard presets: 17; user settings: 22

Features

- Regular screen 17-inch monitor
- Supports SXGA 1280x1024 resolution
- Ergonomic stand tilts and provides a 4.3" (110mm) range height adjustment for comfortable viewing
- Includes dual input connection for attachment to two systems concurrently (analog and digital)
- Reduces mercury content by 50% and arsenic free glass
- Up to 70% recycled packaging materials
- Privacy Filter Slot
- Microsoft® Windows® 7 certified

ThinkVision L1711p Monitor

Viewing adjustments	*Tilt:* 20° back, -3° forward; *lift:* 4.3" (110mm); detachable stand
Rotating screen	None
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup
Multiple input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) Digital Visual Interface (DVI-D), digital, white, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DVI-D at each end, digital, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)
Ship group	Monitor, attached stand, Setup poster, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, 1.8 meter analog signal cable, 1.8 meter digital signal cable, 1.8 meter black power cord

Limited Warranty

- **3 year limited warranty**[4]
- **International Warranty Service**[5]
- **Rapid Replacement Service at 1-800-426-7378**
- **Replacement normally arrives in two business days, excluding holidays**
- **Lenovo pays all shipping costs for valid warranty claims**[6]
- **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (ThinkPlus™ part number 41C9209)
  - **3 year, on site exchange, 7 day x 24 hr with 4 hour response** (41C9212)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9215)
  - **4 year, on site exchange, 7 day x 24 hr with 4 hour response** (41C9216)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

Accessories

ThinkVision Soundbar	45K1263
Kensington® MicroSaver® Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620
Lenovo Easy Reach Monitor Stand	55Y9258

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information
US model announced October 20, 2009

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(L1711P) October 2009

Flat Panel Monitors - US model

Name	**L197 Wide Flat Panel Monitor**
Case color	**Business black**
Type-model	**4434-HE1**
Stand	Tilt stand
Screen	LCD Active Matrix TFT (Thin Film Transistor)
Viewable image size (diag)	**19.0"** / **481mm** (diagonal)
Aspect ratio	16:10
Pixel pitch (mm)	.285mm
Max view area (inches)	16.1" x 10.0" (horizontal x vertical)
Max view area (mm)	408mm x 255mm (horizontal x vertical)
Viewing angle at 5:1 CR	176° vertical, 176° horizontal
Viewing angle at 10:1 CR	160° vertical, 170° horizontal
Video input	**Digital or analog (two separate connectors)**
Dual input	**Dual input** (two different PCs attach to two different connectors; one PC shows image; select via button)
Rotating screen	No pivot
USB Hub	None
Optimum resolution	**1440x900** at 60Hz
Maximum resolution	1440x900 at 75Hz (137MHz maximum pixel rate)
Vertical frequency	50 to 76Hz
Horizontal frequency	30 to 81kHz
Preset display modes	VGA: 640x480 60, 66, 72, 75Hz 640x350 70Hz 720x400 70Hz SVGA: 800x600 56, 60, 72, 75Hz 832x624 75Hz XGA: 1024x768 60, 70, 75Hz 1152x864 75Hz SXGA: 1280x1024 60, 70, 75Hz WXGA+: 1440x900 60, 75Hz
Presets / user settings	Standard presets: 20; user settings: 20
Brightness	250 nits or cd/m^2 (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	5ms (typical)
Color gamut	72%

Features

- Widescreen 19-inch flat panel monitor
- EPEAT™ Gold rating
- View images in a 16:10 wide aspect ratio
- Resolution of 1440x900 provides crisp screen images
- Slim 14.3mm (0.56") side bezel
- High-bandwidth Digital Content Protection (HDCP)-compliant
- Includes dual input connection for attachment to two systems concurrently (analog and digital)
- Complements the ThinkCentre® and ThinkPad® systems
- Microsoft® Windows® Vista™ Premium certified

Lenovo ThinkVision L197 Wide

On screen display	On screen display with digital user controls (7 languages)
Control features	Direct access (buttons on front) for automatic image setup
Monitor connectors	Two connectors: (1) analog VGA 15-pin D-shell [blue], (2) Digital Visual Interface (DVI-D) for digital (not analog) attach [white], **HDCP-compliant**
Signal cables	Two cables: (1) detachable, VGA 15-pin D-shell at each end (for analog connector), 1.8 meter, matches color of monitor (2) detachable digital, DVI-D at each end (for digital connector), 1.8 meter, matches color of monitor
Anti-reflective	Anti-reflective, anti-glare
Dimensions	15.0"H x 17.3"W x 7.0"D / 381mm height x 440mm width x 179mm depth
Weight	9.15lb / 4.15kg
Viewing adjustments	Tilt: 30° back, 4° forward / no lift, no swivel, detachable stand
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)
VESA-compliant[2]	VESA DDC2B/CI, VESA DPMS-compliant
Power management	ENERGY STAR®[3] 5.0
Ergonomics	ISO 13406 Part 2[1]
Pixel defect	ISO 13406-2 Class II pixel defect standard
Emission standards	MPR-2, MPR-3A, FCC Class B
Environmental	TCO 03, WEEE, RoHS (EU Directive 2002/95/EC), **EPEAT™ Gold rating**
Ship group	Monitor, attached stand, Setup Guide, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, analog signal cable, digital signal cable, 1.8m black power cord
Power supply	90-264Vac (universal), integrated (no external brick-like power supply), 22 watts typical, <2 watts standby/suspend
Limited warranty[4]	**3 year** (includes backlight)
Available date	April 2008

Limited Warranty

- **3 year limited warranty**[4]
- **International Warranty Service**[5]
- **Rapid Replacement Service at 1-800-426-7378**
- **Replacement normally arrives in two business days, excluding holidays**
- **Lenovo pays all shipping costs for valid warranty claims**[6]
- **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (ThinkPlus™ part number 41C9209)
  - **3 year, on site exchange, 7 day x 24 hr with 4 hour response** (41C9212)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - **4 year, on site exchange, 7 day x 24 hr with 4 hour response** (41C9216)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

Accessories

Kensington® MicroSaver® Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620
Lenovo Easy Reach Monitor Stand	55Y9258

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information
US model announced April 15, 2008

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Lenovo® ThinkVision® L1900p

Personal Systems Reference (PSREF)

Name	**L1900p Flat Panel Monitor**
Case color	**Business black**
Type-model	**4431-HE1**
Panel	TFT-LCD, twisted nematic (TN), CCFL backlight
Viewable image size	**19.0"** (**483mm**) diagonal
Max view area (W x H)	14.8" x 11.85" (376mm x 301mm)
Optimum resolution	**1280x1024** at 60Hz
Maximum resolution	1280x1024 at 75Hz (135MHz max pixel rate)
Aspect ratio	5:4
Pixel pitch (mm)	.294mm
Dot/Pixel per Inch	86 dpi
Brightness	250 nits or cd/m^2 (typical)
Contrast ratio	800:1 (typical)
Pixel response time	5ms (typical)
Color gamut	72%
Anti-reflective	Anti-reflective, anti-glare
Vertical frequency	56 to 76Hz
Horizontal frequency	30 to 81kHz
Viewing angle at 10:1 CR	160° (+/- 80°) horizontal, 160° (+/- 80°) vertical
Stand	Tilt, swivel, pivot, and height adjustable stand
Bezel width	*Sides:* 0.6" (15.3mm); *top:* 0.66" (16.8mm); *bottom:* 1.05" (26.8mm)
Dimensions (HxWxD)	14.9-19.2" H x 16.1" W x 7.4-9.5" D; 378.7-488.7mm H x 408mm W x 188-241.1mm D
Power supply	17 watts typical, 24 watts maximum, <1 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	12.5 lb; 5.7kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	November 2008
VESA-compliant[2]	VESA DDC2B/CI, VESA DPMS-compliant
Power management	ENERGY STAR®[3] 5.0
Ergonomics	ISO 13406 Part 2[1]
Pixel defect	ISO 13406-2 Class II pixel defect standard
Emission standards	MPR-2. MPR-3A, FCC Class B
Environmental	TCO 03, WEEE, RoHS (EU Directive 2002/95/EC), **EPEAT™ Gold rating**, GREENGUARD® certified
Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768 SXGA: 1280x1024
Presets / user settings	Standard presets: 21; user settings: 17

Features

- Regular screen 19-inch monitor
- Supports SXGA 1280x1024 resolution
- Ergonomic stand tilts, swivels, pivots and provides a 4.3" (110mm) range height adjustment for comfortable viewing
- Detachable rear stand cable cover and clip to hide cables
- Microsoft® Windows® Vista® certified

ThinkVision L1900p Monitor with optional ThinkVision Soundbar

Viewing adjustments	*Tilt:* 30° back, 0° forward; *lift:* 4.3" (110mm); *swivel:* +/-45°; detachable stand
Rotating screen	**Screen pivots 90 degrees from landscape to portrait** (requires image rotation support from graphics controller)
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup
Multiple input	Multiple input (two different PCs attach to two different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) Digital Visual Interface (DVI-D), digital, white, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DVI-D at each end, digital, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)
Ship group	Monitor, attached stand, cable cover, Setup poster, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, 1.8 meter analog signal cable, 1.8 meter digital signal cable, 1.8 meter black power cord

Limited Warranty

- **3 year limited warranty**[4]
- **International Warranty Service**[5]
- **Rapid Replacement Service at 1-800-426-7378**
- **Replacement normally arrives in two business days, excluding holidays**
- **Lenovo pays all shipping costs for valid warranty claims**[6]
- **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (ThinkPlus™ part number 41C9209)
  - **3 year, on site exchange, 7 day x 24 hr with 4 hour response** (41C9212)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - **4 year, on site exchange, 7 day x 24 hr with 4 hour response** (41C9216)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

Accessories

ThinkVision Soundbar	45K1263
Kensington® MicroSaver® Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620
Lenovo Easy Reach Monitor Stand	55Y9258

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information
US model announced November 11, 2008

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Lenovo® ThinkVision® L1951p Wide

Name	**L1951p Wide Flat Panel Monitor**
Case color	**Business black**
Type-model	**2448-HB6**
Panel	TFT-LCD, twisted nematic (TN), CCFL backlight
Viewable image size	**19.0"** (**481mm**) diagonal
Max view area (W x H)	16.07" x 10.05" (408.2mm x 255.2mm)
Optimum resolution	**1440x900** at 60Hz
Maximum resolution	1440x900 at 75Hz (137MHz max pixel rate)
Aspect ratio	16:10
Pixel pitch (mm)	.285mm
Dot/Pixel per Inch	89 dpi
Brightness	250 nits or cd/m^2 (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	5ms (typical)
Color gamut	72%
Anti-reflective	Anti-reflective, anti-glare
Vertical frequency	50 to 76Hz
Horizontal frequency	30 to 81kHz
Viewing angle at 10:1 CR	160° (+/- 80°) horizontal, 160° (+/- 80°) vertical
Stand	Tilt and height adjustable stand
Bezel width	*Sides:* 0.61" (15.6mm); *top:* 0.67" (17.1mm); *bottom:* 1.2" (30.5mm)
Dimensions (HxWxD)	14.56-17.71" H x 17.36" W x 6.11" D; 369.9-449.9mm H x 440.9mm W x 155.2mm D
Power supply	19 watts typical, 23 watts maximum, <1 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	9.37 lb; 4.25kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	October 2009
VESA-compliant[2]	VESA DDC2B/CI, VESA DPMS-compliant
Power management	ENERGY STAR® 5.0
Ergonomics	ISO 9241-307
Emission standards	MPR-2. MPR-3A, FCC Class B
Environmental	TCO (TCO Displays 5.0), WEEE, RoHS, **EPEAT™ Gold rating**
Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600, 832x624 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA 1280x720, 1360x768 WXGA+ 1440x900
Presets / user settings	Standard presets: 27; user settings: 20

Features

- Widescreen 19-inch monitor
- Supports WXGA+ 1440x900 resolution
- Ergonomic stand tilts and provides a 3.1" (80mm) range height adjustment for comfortable viewing
- Includes dual input connection for attachment to two systems concurrently (analog and digital)
- Reduces mercury content by 50% and arsenic free glass
- Up to 70% recycled packaging materials
- Privacy Filter Slot
- Microsoft® Windows® 7 certified

ThinkVision L1951p Wide Monitor

Viewing adjustments	*Tilt:* 20° back, -3° forward; *lift:* 3.1" (80mm); detachable stand
Rotating screen	None
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup
Multiple input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) Digital Visual Interface (DVI-D), digital, white, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DVI-D at each end, digital, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)
Ship group	Monitor, attached stand, Setup poster, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, 1.8 meter analog signal cable, 1.8 meter digital signal cable, 1.8 meter black power cord

Limited Warranty

- **3 year limited warranty**[4]
- **International Warranty Service**[5]
- **Rapid Replacement Service at 1-800-426-7378**
- **Replacement normally arrives in two business days, excluding holidays**
- **Lenovo pays all shipping costs for valid warranty claims**[6]
- **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (ThinkPlus™ part number 41C9209)
  - **3 year, on site exchange, 7 day x 24 hr with 4 hour response** (41C9212)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - **4 year, on site exchange, 7 day x 24 hr with 4 hour response** (41C9216)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

Accessories

ThinkVision Soundbar	45K1263
Kensington® MicroSaver® Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620
Lenovo Easy Reach Monitor Stand	55Y9258

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information
US model announced October 20, 2009

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Lenovo® ThinkVision® LT1952p Wide

Personal Systems Reference (PSREF)

Name	**LT1952p Wide Flat Panel Monitor**
Case color	**Business black**
Type-model	**2448-MB6**
Panel	TFT-LCD, twisted nematic (TN), White LED backlight
Viewable image size	**19"** (**482.6mm**) diagonal
Max view area (W x H)	16.07" x 10.05" (408.2mm x 255.2mm)
Optimum resolution	**1440x900**
Max pixel rate	137MHz
Aspect ratio	16:10
Pixel pitch (mm)	0.2835mm
Dot/Pixel per Inch	89.4 dpi
Brightness	250 nits or cd/m^2 (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	5ms (typical)
Color gamut	72%
Anti-reflective	Anti-reflective, anti-glare
Viewing angle at 10:1 CR	170° horizontal, 160° vertical
Stand	Tilt, swivel, and height adjustable stand
Bezel width	*Sides:* 0.61" (15.6mm); *top:* 0.67" (17.1mm); *bottom:* 1.2" (30.5mm)
Dimensions (HxWxD)	15.66-19.99" H x 17.36" W x 6.74" D; 397.7-507.7mm H x 440.9mm W x 171.3mm D
Power supply	13 watts typical, 17 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	9.49 lb; 4.30kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	September 2011

VESA-compliant[2]	VESA DDC2B/CI
Power management	ENERGY STAR® 5.1
Ergonomics	ISO 9241-307
Emission standards	MPR-2, FCC Class B
Environmental	TCO Displays 5.2, TCO Certified Edge 1.1, WEEE, RoHS, **EPEAT™ Gold rating**, ULE Gold

Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA: 1280x768, 1366x768 WXGA+: 1440x900
Presets / user settings	Standard presets: 22; user settings: 22

Features

- Widescreen 19-inch monitor
- Supports 1440x900 resolution
- Ergonomic stand tilts, swivel, and provides a 4.3" (110mm) range height adjustment for comfortable viewing
- Cable Management for better user experience
- Mercury and arsenic free glass
- Recycled content in plastic material
- Privacy Filter Slot
- Microsoft® Windows® 7 certified

ThinkVision LT1952p Wide Monitor

Viewing adjustments	*Tilt:* 20° back, -3° forward; *lift:* 4.3" (110mm); *swivel:* +/-180°; detachable stand
Rotating screen	None
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup, input switch, and brightness
Multiple input	Triple input (three different PCs attach to three different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) DisplayPort, digital, black, HDCP-compliant (3) Digital Visual Interface (DVI-D), digital, white, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DVI-D at each end, digital, 1.8 meter Note: DisplayPort cable is not included; use optional DisplayPort to DisplayPort Monitor Cable (0A36537)
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor, attached stand, Setup poster, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, 1.8 meter analog signal cable, 1.8 meter DVI-D cable, 1.8 meter black power cord

Limited Warranty

- **3 year limited warranty**[4]
- **International Warranty Service**[5]
- **Rapid Replacement Service at 1-800-426-7378**
- **Replacement normally arrives in two business days, excluding holidays**
- **Lenovo pays all shipping costs for valid warranty claims**[6]
- **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (ThinkPlus™ part number 41C9209)
  - **3 year, on site exchange, 7 day x 24 hr with 4 hour response** (41C9212)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - **4 year, on site exchange, 7 day x 24 hr with 4 hour response** (41C9216)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

Accessories

DisplayPort to DisplayPort Monitor Cable	0A36537
ThinkVision Soundbar	45K1263
Kensington MicroSaver Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620
Lenovo Security Cable Lock	57Y4303
ThinkCentre Extend Arm	57Y4352
Lenovo Easy Reach Monitor Stand	55Y9258

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information
US model announced September 13, 2011

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Lenovo® ThinkVision® L2250p Wide

Name	**L2250p Wide Flat Panel Monitor**
Case color	**Business black**
Type-model	**2572-HB6**
Panel	TFT-LCD, twisted nematic (TN), CCFL backlight
Viewable image size	**22.0"** (**559mm**) diagonal
Max view area (W x H)	18.7" x 11.7" (473.8mm x 296.1mm)
Optimum resolution	**1680x1050** at 60Hz
Maximum resolution	1680x1050 at 75Hz (205MHz max pixel rate)
Aspect ratio	16:10
Pixel pitch (mm)	.282mm
Dot/Pixel per Inch	90 dpi
Brightness	250 nits or cd/m^2 (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	5ms (typical)
Color gamut	72%
Anti-reflective	Anti-reflective, anti-glare
Vertical frequency	50 to 75Hz
Horizontal frequency	30 to 83kHz
Viewing angle at 10:1 CR	170° (+/- 85°) horizontal, 160° (+/- 80°) vertical
Stand	Tilt and height adjustable stand
Bezel width	*Sides:* 0.60" (15.3mm); *top:* 0.79" (20.0mm); *bottom:* 1.10" (28.0mm)
Dimensions (HxWxD)	15.68-18.83" H x 19.92" W x 6.11" D; 398.3-478.3mm H x 506mm W x 155.2mm D
Power supply	21 watts typical, 28 watts maximum, <1 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	11.49 lb; 5.21kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	October 2009

VESA-compliant[2]	VESA DDC2B/CI, VESA DPMS-compliant
Power management	ENERGY STAR® 5.0
Ergonomics	ISO 9241-307
Emission standards	MPR-2. MPR-3A, FCC Class B
Environmental	TCO (TCO Displays 5.0), WEEE, RoHS, **EPEAT™ Gold rating**

Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768,1152x864 SXGA: 1280x1024 WXGA+: 1440x900 UXGA: 1600x1000 WSXGA+: 1680x1050
Presets / user settings	Standard presets: 24; user settings: 20

Features

- Widescreen 22-inch monitor
- Supports WSXGA+ 1680x1050 resolution
- Ergonomic stand tilts and provides a 3.1" (80mm) range height adjustment for comfortable viewing
- Includes dual input connection for attachment to two systems concurrently (analog and digital)
- Reduces mercury content by 50% and arsenic free glass
- Up to 65% recycled packaging materials
- Privacy Filter Slot
- Microsoft® Windows® 7 certified

ThinkVision L2250p Wide Monitor

Viewing adjustments	*Tilt:* 20° back, -3° forward; *lift:* 3.1" (80mm); detachable stand
Rotating screen	None
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup
USB hub	None
Camera	None
Multiple input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) Digital Visual Interface (DVI-D), digital, white, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DVI-D at each end, digital, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor, attached stand, Setup poster, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, 1.8 meter analog signal cable, 1.8 meter digital signal cable, 1.8 meter black power cord

Limited Warranty

- **3 year limited warranty**[4]
- **International Warranty Service**[5]
- **Rapid Replacement Service at 1-800-426-7378**
- **Replacement normally arrives in two business days, excluding holidays**
- **Lenovo pays all shipping costs for valid warranty claims**[6]
- **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (ThinkPlus™ part number 41C9209)
  - **3 year, on site exchange, 7 day x 24 hr with 4 hour response** (41C9212)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - **4 year, on site exchange, 7 day x 24 hr with 4 hour response** (41C9216)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

Accessories

ThinkVision Soundbar	45K1263
Kensington MicroSaver® Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620
Lenovo Easy Reach Monitor Stand	55Y9258

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information
US model announced October 20, 2009

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Lenovo® ThinkVision® L2251p Wide

Name	**L2251p Wide Flat Panel Monitor**
Case color	**Business black**
Type-model	**2572-HD6**
Panel	TFT-LCD, twisted nematic (TN), CCFL backlight
Viewable image size	**22.0"** (**559mm**) diagonal
Max view area (W x H)	18.7" x 11.7" (473.8mm x 296.1mm)
Optimum resolution	**1680x1050** at 60Hz
Maximum resolution	1680x1050 at 75Hz (205MHz max pixel rate)
Aspect ratio	16:10
Pixel pitch (mm)	.282mm
Dot/Pixel per Inch	90 dpi
Brightness	250 nits or cd/m^2 (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	5ms (typical)
Color gamut	72%
Anti-reflective	Anti-reflective, anti-glare
Vertical frequency	50 to 75Hz
Horizontal frequency	30 to 83kHz
Viewing angle at 10:1 CR	170° (+/- 85°) horizontal, 160° (+/- 80°) vertical
Stand	Tilt, swivel, pivot, and height adjustable stand
Bezel width	*Sides:* 0.60" (15.3mm); *top:* 0.79" (20.0mm); *bottom:* 1.10" (28.0mm)
Dimensions (HxWxD)	14.46-18.79" H x 19.92" W x 9.50" D; 367.3-477.3mm H x 506mm W x 241.2mm D
Power supply	21 watts typical, 28 watts maximum, <1 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	12.94 lb; 5.88kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	October 2009
VESA-compliant[2]	VESA DDC2B/CI, VESA DPMS-compliant
Power management	ENERGY STAR®[3] 5.0
Ergonomics	ISO 9241-307
Emission standards	MPR-2. MPR-3A, FCC Class B
Environmental	TCO (TCO Displays 5.0), WEEE, RoHS, **EPEAT™ Gold rating**
Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768,1152x864 SXGA: 1280x1024 WXGA+: 1440x900 UXGA: 1600x1000 WSXGA+: 1680x1050
Presets / user settings	Standard presets: 24; user settings: 20

Features

- Widescreen 22-inch monitor
- Supports WSXGA+ 1680x1050 resolution
- Ergonomic stand tilts, swivels, pivots and provides a 4.3" (110mm) range height adjustment for comfortable viewing
- Detachable rear stand cable cover and clip to hide cables
- Reduces mercury content by 50% and arsenic free glass
- Up to 60% recycled packaging materials
- Privacy Filter Slot
- Microsoft® Windows® 7 certified

ThinkVision L2251p Wide Monitor

Viewing adjustments	*Tilt:* 30° back, 0° forward; *lift:* 4.3" (110mm); *swivel:* +/-45°; detachable stand
Rotating screen	**Screen pivots 90 degrees from landscape to portrait** (requires image rotation support from graphics controller)
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup
USB hub	None
Camera	None
Multiple input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) DisplayPort, digital, black, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DisplayPort at each end, digital, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)
Ship group	Monitor, attached stand, cable cover, Setup poster, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, 1.8 meter analog signal cable, 1.8 meter DisplayPort cable, 1.8 meter black power cord

Limited Warranty

- **3 year limited warranty**[4]
- **International Warranty Service**[5]
- **Rapid Replacement Service at 1-800-426-7378**
- **Replacement normally arrives in two business days, excluding holidays**
- **Lenovo pays all shipping costs for valid warranty claims**[6]
- **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (ThinkPlus™ part number 41C9209)
  - **3 year, on site exchange, 7 day x 24 hr with 4 hour response** (41C9212)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - **4 year, on site exchange, 7 day x 24 hr with 4 hour response** (41C9216)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

Accessories

ThinkVision Soundbar	45K1263
Kensington® MicroSaver® Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620
Lenovo Easy Reach Monitor Stand	55Y9258

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information
US model announced October 20, 2009

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Lenovo® ThinkVision® LT2252p Wide

Name	**LT2252p Wide Flat Panel Monitor**
Case color	**Business black**
Type-model	**2572-MB6**
Panel	TFT-LCD, twisted nematic (TN), White LED backlight
Viewable image size	**22"** (**559mm**) diagonal
Max view area (W x H)	18.7" x 11.7" (473.8mm x 296.1mm)
Optimum resolution	**1680x1050**
Max pixel rate	205MHz
Aspect ratio	16:10
Pixel pitch (mm)	0.282mm
Dot/Pixel per Inch	90 dpi
Brightness	250 nits or cd/m^2 (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	5ms (typical)
Color gamut	72%
Anti-reflective	Anti-reflective, anti-glare
Viewing angle at 10:1 CR	170° horizontal, 160° vertical
Stand	Tilt, swivel, pivot, and height adjustable stand
Bezel width	*Sides:* 0.60" (15.3mm); *top:* 0.79" (20.0mm); *bottom:* 1.10" (28.0mm)
Dimensions (HxWxD)	14.46-18.79" H x 19.92" W x 9.50" D; 367.3-477.3mm H x 506mm W x 241.2mm D
Power supply	20 watts typical, 26 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	12.97lb; 5.89kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	September 2011

VESA-compliant[2]	VESA DDC2B/CI
Power management	ENERGY STAR®[3] 5.1
Ergonomics	ISO 9241-307
Emission standards	MPR-2, FCC Class B
Environmental	TCO Displays 5.2, TCO Certified Edge 1.1, WEEE, RoHS, **EPEAT™ Gold rating**, ULE Gold

Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA: 1280x768, 1280x800, 1366x768 WXGA+: 1440x900 1600x900 WSXGA+: 1680x1050
Presets / user settings	Standard presets: *VGA/DisplayPort:* 26; *DVI-D:* 25; user settings: 25

Features

- Widescreen 22-inch monitor
- Supports 1680x1050 resolution
- Ergonomic stand tilts, swivels, pivots and provides a 4.3" (110mm) range height adjustment for comfortable viewing
- Cable Management for better user experience
- Mercury and arsenic free glass
- Recycled content in plastic material
- Privacy Filter Slot
- Microsoft® Windows® 7 certified

ThinkVision LT2252p Wide Monitor

Viewing adjustments	*Tilt:* 30° back, 0° forward; *lift:* 4.3" (110mm); *swivel:* +/-45°; detachable stand
Rotating screen	**Screen pivots 90 degrees from landscape to portrait** (requires image rotation support from graphics controller)
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup, input switch, and brightness
USB hub	None
Camera	None
Multiple input	Triple input (three different PCs attach to three different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) DisplayPort, digital, black, **HDCP-compliant** (3) Digital Visual Interface (DVI-D) for digital attach [white], **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DVI-D at each end, digital, 1.8 meter Note: DisplayPort cable is not included; use optional DisplayPort to DisplayPort Monitor Cable (0A36537)
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor, attached stand, cable cover, Setup poster, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, 1.8 meter analog signal cable, 1.8 meter DVI-D cable,1.8 meter black power cord

Limited Warranty

- **3 year limited warranty**[4]
- **International Warranty Service**[5]
- **Rapid Replacement Service at 1-800-426-7378**
- **Replacement normally arrives in two business days, excluding holidays**
- **Lenovo pays all shipping costs for valid warranty claims**[6]
- **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (ThinkPlus™ part number 41C9209)
  - **3 year, on site exchange, 7 day x 24 hr with 4 hour response** (41C9212)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - **4 year, on site exchange, 7 day x 24 hr with 4 hour response** (41C9216)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

Accessories

DisplayPort to DisplayPort Monitor Cable	0A36537
ThinkVision Soundbar	45K1263
Kensington® MicroSaver® Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620
Lenovo Security Cable Lock	57Y4303
ThinkCentre Extend Arm	57Y4352
Lenovo Easy Reach Monitor Stand	55Y9258

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information
US model announced September 13, 2011

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Lenovo® ThinkVision® L2251x Wide

Name	**L2251x Wide Flat Panel Monitor**
Case color	**Business black**
Type-model	**2578-HB6**
Panel	TFT-LCD, twisted nematic (TN), **white LED backlight**
Viewable image size	**22.0"** (**559mm**) diagonal
Max view area (W x H)	18.7" x 11.7" / 473.8mm x 296.1mm
Optimum resolution	**1680x1050** at 60Hz
Maximum resolution	1680x1050 at 75Hz (205MHz max pixel rate)
Aspect ratio	16:10
Pixel pitch (mm)	.282mm
Dot/Pixel per Inch	90 dpi
Brightness	250 nits or cd/m^2 (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	5ms (typical)
Color gamut	68%
Anti-reflective	Anti-reflective, anti-glare
Vertical frequency	50 to 75Hz
Horizontal frequency	30 to 83kHz
Viewing angle at 10:1 CR	170° (+/- 85°) horizontal, 160° (+/- 80°) vertical
Stand	Tilt, swivel, pivot, and height adjustable stand
Bezel width	*Sides:* 0.60" (15.3mm); *top:* 0.79" (20.0mm); *bottom:* 1.10" (28.0mm)
Dimensions (HxWxD)	14.97-19.3" H x 19.92" W x 9.50" D; 380.3-490.3mm H x 506mm W x 241.2mm D
Power supply	21 watts typical, 28 watts maximum, <1 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	12.39 lb; 5.63kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	November 2009

VESA-compliant[2]	VESA DDC2B/CI, VESA DPMS-compliant
Power management	ENERGY STAR®[3] 5.0
Ergonomics	ISO 9241-307
Emission standards	MPR-2. MPR-3A, FCC Class B
Environmental	TCO (TCO Certified Edge), WEEE, RoHS, **EPEAT™ Gold rating**

Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768,1152x864 SXGA: 1280x1024 WXGA+: 1440x900 UXGA: 1600x1000 WSXGA+: 1680x1050
Presets / user settings	Standard presets: 24; user settings: 20

Features

- Widescreen 22-inch monitor with white LED backlight
- Ergonomic stand tilts, swivels, pivots and provides a 4.3" (110mm) range height adjustment for comfortable viewing
- Detachable rear stand cable cover and clip to hide cables
- Integrated camera (0.3 megapixel) and microphone
- Integrated ambient light sensor and a proximity sensor, save more energy and make viewing more comfortable
- Low halogen, mercury free, and arsenic free glass, 92% recycled packaging materials
- Privacy Filter Slot
- Microsoft® Windows® 7 certified

ThinkVision L2251x Wide Monitor

Viewing adjustments	*Tilt:* 30° back, 0° forward; *lift:* 4.3" (110mm); *swivel:* +/-45°; detachable stand
Rotating screen	**Screen pivots 90 degrees from landscape to portrait** (requires image rotation support from graphics controller)
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup
USB hub	USB 2.0 Hub (1 port into PC, 3 ports for accessories)
Camera	Integrated camera (0.3 megapixel) and microphone
Multiple input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) DisplayPort, digital, black, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DisplayPort at each end, digital, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor, attached stand, cable cover, Setup poster, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, 1.8 meter analog signal cable, 1.8 meter DisplayPort cable, 1.8 meter USB cable, 1.8 meter black power cord

Limited Warranty

- **3 year limited warranty**[4]
- **International Warranty Service**[5]
- **Rapid Replacement Service at 1-800-426-7378**
- **Replacement normally arrives in two business days, excluding holidays**
- **Lenovo pays all shipping costs for valid warranty claims**[6]
- **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (ThinkPlus™ part number 41C9209)
  - **3 year, on site exchange, 7 day x 24 hr with 4 hour response** (41C9212)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - **4 year, on site exchange, 7 day x 24 hr with 4 hour response** (41C9216)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

Accessories

ThinkVision Soundbar	45K1263
Kensington® MicroSaver® Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620
Lenovo Easy Reach Monitor Stand	55Y9258

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information
US model announced October 20, 2009

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Name	**L2321x Wide Flat Panel Monitor**
Case color	**Business black**
Type-model	**4014-HB6**
Panel	TFT-LCD, twisted nematic (TN), CCFL backlight
Viewable image size	**23.0"** (**584mm**) diagonal
Max view area (W x H)	20.04" x 11.28" / 509.2mm x 286.4mm
Optimum resolution	**1920x1080**
Dual screen function	Function as two monitors (need both VGA and DisplayPort connected), hardware based solution provies 4 patterns of screen split (2:1, 1:1, 1:2, PIP)
Aspect ratio	16:9
Pixel pitch (mm)	.265mm
Dot/Pixel per Inch	96 dpi
Brightness	250 nits or cd/m^2 (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	5ms (typical)
Color gamut	72%
Anti-reflective	Anti-reflective, anti-glare
Vertical frequency	50 to 75Hz
Horizontal frequency	30 to 83kHz
Viewing angle at 10:1 CR	170° (+/- 85°) horizontal, 160° (+/- 80°) vertical
Stand	Tilt, swivel, pivot, and height adjustable stand
Bezel width	*Sides:* 0.69" (17.6mm); *top:* 0.72" (18.2mm); *bottom:* 0.79" (20.1mm)
Dimensions (HxWxD)	14.72-19.05" H x 21.49" W x 9.49" D; 373.9-483.9mm H x 545.9mm W x 241.1mm D
Power supply	24 watts typical, 28 watts maximum, <1 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	14.75 lb; 6.69kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	July 2010
VESA-compliant[2]	VESA DDC2B/CI, VESA DPMS-compliant
Power management	ENERGY STAR®[3] 5.0
Ergonomics	ISO 9241-307
Emission standards	MPR-2, FCC Class B
Environmental	TCO (TCO Certified Edge), WEEE, RoHS, **EPEAT™ Gold rating**
Preset resolutions	NTSC, PAL, 640x350, 640x480, 800x600, 832x624, 960x1080, 1024x768, 1152x864, 1280x1024, 1280x1080, 1366x768 1440x900, 1680x1050, 1920x1080
Dual image resolution	(2:1): 1280x1080 + 640x1080 (1:2): 640x1080 + 1280x1080 (1:1): 960x1080 + 960x1080 (PIP): 640x480 in 1920x1080
Presets / user settings	Presets: 26(VGA), 25(DisplayPort); user settings: 20

Features

- Widescreen 23-inch monitor
- 1080p full HD support, HDCP-compliant
- Function as two monitors, hardware based solution provies 4 patterns of screen split (2:1, 1:1, 1:2, PIP modes).
- Ergonomic stand tilts, swivels, pivots and provides a 4.3" (110mm) range height adjustment for comfortable viewing
- Compliance with ENERGY STAR 5.0
- Arsenic free glass
- Microsoft® Windows® 7 certified

ThinkVision L2321x Wide Monitor

Viewing adjustments	*Tilt:* 30° back, 0° forward; *lift:* 4.3" (110mm); *swivel:* +/-45°; detachable stand
Rotating screen	**Screen pivots 90 degrees from landscape to portrait** (requires image rotation support from graphics controller, do not support image rotation under dual image modes)
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup and image select (Dual image [2:1, 1:1, 1:2, PIP modes], Swap, Single VGA, and Single DisplayPort)
USB hub	USB 2.0 Hub (1 port into PC, 4 ports for accessories)
Multiple input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) DisplayPort, digital, black, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DisplayPort at each end, digital, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)
Ship group	Monitor, attached stand, Setup poster, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, analog signal cable, DisplayPort cable, 1.8 meter USB cable, 1.8 meter black power cord

Limited Warranty

- **3 year limited warranty**[4]
- **International Warranty Service**[5]
- **Rapid Replacement Service at 1-800-426-7378**
- **Replacement normally arrives in two business days, excluding holidays**
- **Lenovo pays all shipping costs for valid warranty claims**[6]
- **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (ThinkPlus™ part number 41C9209)
  - **3 year, on site exchange, 7 day x 24 hr with 4 hour response** (41C9212)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - **4 year, on site exchange, 7 day x 24 hr with 4 hour response** (41C9216)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

Accessories

ThinkVision Soundbar	45K1263
Kensington® MicroSaver® Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information
US model announced June 10, 2010

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Lenovo® ThinkVision® L2440p Wide

Name	**L2440p Wide Flat Panel Monitor**
Case color	**Business black**
Type-model	**4420-HB2**
Panel	TFT-LCD, twisted nematic (TN), CCFL backlight
Viewable image size	**24.0"** (**610mm**) diagonal
Max view area (W x H)	20.4" x 12.8" (518.4mm x 324.0mm)
Optimum resolution	**1920x1200** at 60Hz
Maximum resolution	1920x1200 at 60Hz (205MHz max pixel rate)
Aspect ratio	16:10
Pixel pitch (mm)	.270mm
Dot/Pixel per Inch	94 dpi
Brightness	300 nits or cd/m^2 (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	5ms (typical)
Color gamut	72%
Anti-reflective	Anti-reflective, anti-glare
Vertical frequency	50 to 75Hz
Horizontal frequency	30 to 94kHz
Viewing angle at 10:1 CR	170° (+/- 85°) horizontal, 160° (+/- 80°) vertical
Stand	Tilt, swivel, pivot, and height adjustable stand
Bezel width	*Sides:* 0.78" (19.9mm); *top:* 0.78" (19.9mm); *bottom:* 1.12" (28.4mm)
Dimensions (HxWxD)	15.54-19.87" H x 22" W x 8.04-10.13" D; 394.8-504.8mm H x 559.6mm W x 204.3-257.3mm D
Power supply	35 watts typical, 50 watts maximum, <1 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	17.84 lb; 8.09kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	October 2008

VESA-compliant[2]	VESA DDC2B/CI, VESA DPMS-compliant
Power management	ENERGY STAR®[3] 5.0
Ergonomics	ISO 13406 Part 2[1]
Pixel defect	ISO 13406-2 Class II pixel defect standard
Emission standards	MPR-2. MPR-3A, FCC Class B
Environmental	TCO 03, WEEE, RoHS (EU Directive 2002/95/EC), **EPEAT™ Gold rating**, GREENGUARD® certified

Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768,1152x864 SXGA: 1280x1024 WXGA: 1360x768 WXGA+: 1440x900 UXGA: 1600x1200 WSXGA+: 1680x1050 WUXGA: 1920x1200
Presets / user settings	Standard presets: 27; user settings: 20

Features

- Widescreen 24-inch monitor
- Supports WUXGA 1920x1200 resolution
- High Definition (HD) ready; supports 1080p video
- Ergonomic stand tilts, swivels, pivots and provides a 4.3" (110mm) range height adjustment for comfortable viewing
- Detachable rear stand cable cover and clip to hide cables
- Carrying handle
- 65% recycled packaging materials
- Microsoft® Windows® Vista® Premium certified

ThinkVision L2440p Wide Monitor

Viewing adjustments	*Tilt:* 30° back, 0° forward; *lift:* 4.3" (110mm); *swivel:* +/-45°; detachable stand
Rotating screen	**Screen pivots 90 degrees from landscape to portrait** (requires image rotation support from graphics controller),
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup
USB hub	USB 2.0 Hub (1 port into PC, 4 ports for accessories)
Multiple input	Multiple input (two different PCs attach to two different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) Digital Visual Interface (DVI-D), digital, white, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 2.2 meter (2) detachable, DVI-D at each end, digital, 2.2 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor, attached stand, cable cover, Setup poster, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, 2.2 meter analog signal cable, 2.2 meter digital signal cable, 2.2 meter USB cable, 1.8 meter black power cord

Limited Warranty

- **3 year limited warranty**[4]
- **International Warranty Service**[5]
- **Rapid Replacement Service at 1-800-426-7378**
- **Replacement normally arrives in two business days, excluding holidays**
- **Lenovo pays all shipping costs for valid warranty claims**[6]
- **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (ThinkPlus™ part number 41C9209)
  - **3 year, on site exchange, 7 day x 24 hr with 4 hour response** (41C9212)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - **4 year, on site exchange, 7 day x 24 hr with 4 hour response** (41C9216)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

Accessories

ThinkVision Soundbar	45K1263
Kensington® MicroSaver® Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620
Lenovo Easy Reach Monitor Stand	55Y9258

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information
US model announced September 17, 2008

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Lenovo® ThinkVision® LT2452p Wide

Name	**LT2452p Wide Flat Panel Monitor**
Case color	**Business black**
Type-model	**4420-MB2**
Panel	TFT-LCD, e-IPS, White LED backlight
Viewable image size	**24"** (**610mm**) diagonal
Max view area (W x H)	20.4" x 12.8" (518.4mm x 324.0mm)
Optimum resolution	**1920x1200**
Max pixel rate	202.5MHz
Aspect ratio	16:10
Pixel pitch (mm)	0.270mm
Dot/Pixel per Inch	94 dpi
Brightness	300 nits or cd/m^2 (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	7ms (GtG)
Color gamut	72%
Anti-reflective	Anti-reflective, anti-glare
Viewing angle at 10:1 CR	178° horizontal, 178° vertical
Stand	Tilt, swivel, pivot, and height adjustable stand
Bezel width	*Sides:* 0.78" (19.9mm); *top:* 0.78" (19.9mm); *bottom:* 1.12" (28.4mm)
Dimensions (HxWxD)	15.54-19.87" H x 22" W x 10.13" D; 394.8-504.8mm H x 559.6mm W x 257.3mm D
Power supply	30 watts typical (w/o USB hub), 40 watts maximum (w/o USB hub), <0.5 watts standby/suspend (w/o USB hub), universal, integrated (no external brick-like power supply)
Weight	14.70 lb; 6.67kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	September 2011

VESA-compliant[2]	VESA DDC2B/CI
Power management	ENERGY STAR®[3] 5.1
Ergonomics	ISO 9241-307
Emission standards	MPR-2, FCC Class B
Environmental	TCO Displays 5.2, TCO Certified Edge 1.1, WEEE, RoHS, **EPEAT™ Gold rating**, ULE Gold

Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768,1152x864 SXGA: 1280x1024 WXGA: 1280x768, 1280x800, 1366x768 WXGA+: 1440x900 UXGA: 1600x1200 WSXGA+: 1680x1050 Full HD: 1920x1080 WUXGA: 1920x1200
Presets / user settings	Standard presets: 30; user settings: 20

Features

- Widescreen 24-inch monitor
- Supports 1920x1200 resolution
- High Definition (HD) ready; supports 1080p video
- Ergonomic stand tilts, swivels, pivots and provides a 4.3" (110mm) range height adjustment for comfortable viewing
- Cable Management for better user experience
- Carrying handle
- Recycled content in plastic material
- Microsoft® Windows® 7 certified

ThinkVision LT2452p Wide Monitor

Viewing adjustments	*Tilt:* 30° back, 0° forward; *lift:* 4.3" (110mm); *swivel:* +/-45°; detachable stand
Rotating screen	**Screen pivots 90 degrees from landscape to portrait** (requires image rotation support from graphics controller)
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup, input switch, and brightness
USB hub	USB 2.0 Hub (1 port into PC, 4 ports for accessories)
Multiple input	Triple input (three different PCs attach to three different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) DisplayPort, digital, black, **HDCP-compliant** (3) Digital Visual Interface (DVI-D), digital, white, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DVI-D at each end, digital, 1.8 meter Note: DisplayPort cable is not included; use optional DisplayPort to DisplayPort Monitor Cable (0A36537)
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor, attached stand, cable cover, Setup poster, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, 1.8 meter analog signal cable, 1.8 meter DVI-D cable, 1.8 meter USB cable, 1.8 meter black power cord

Limited Warranty

- **3 year limited warranty**[4]
- **International Warranty Service**[5]
- **Rapid Replacement Service at 1-800-426-7378**
- **Replacement normally arrives in two business days, excluding holidays**
- **Lenovo pays all shipping costs for valid warranty claims**[6]
- **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (ThinkPlus™ part number 41C9209)
  - **3 year, on site exchange, 7 day x 24 hr with 4 hour response** (41C9212)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - **4 year, on site exchange, 7 day x 24 hr with 4 hour response** (41C9216)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

Accessories

DisplayPort to DisplayPort Monitor Cable	0A36537
ThinkVision Soundbar	45K1263
Kensington MicroSaver Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620
Lenovo Security Cable Lock	57Y4303
ThinkCentre Extend Arm	57Y4352
Lenovo Easy Reach Monitor Stand	55Y9258

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information
US model announced September 13, 2011

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Kensington® MicroSaver® Cable Lock from Lenovo
(73P2582)
Kensington Twin Head Cable Lock from Lenovo
(45K1620)
Lenovo Security Cable Lock
(57Y4303)

ThinkVision Soundbar
(45K1263)

Lenovo Easy Reach Monitor Stand
(55Y9258)

ThinkCentre Extend Arm
(57Y4352)

Lenovo USB-to-DVI Monitor Adapter
(45K5296)

Lenovo DisplayPort to VGA Monitor Cable
(57Y4393)
Lenovo DisplayPort to Single-link DVI-D Monitor Cable
(45J7915)
Lenovo Mini-DisplayPort to VGA Monitor Cable
(0A36536)
Lenovo DisplayPort to DisplayPort Monitor Cable
(0A36537)

Lenovo® Monitor Accessories

Monitor Accessories[46] (all part numbers listed are US option P/N)

Lenovo USB-to-DVI Monitor Adapter **	45K5296	*ann 05/12/09*
Lenovo DisplayPort to VGA Monitor Cable **	57Y4393	*ann 08/04/09*
DisplayPort to Single-link DVI-D Cable **	45J7915	*ann 08/05/08*
Lenovo Mini-DisplayPort to VGA Monitor Cable **	0A36536	*ann 05/17/11*
*** Supports a maximum 1920 x 1200 monitor resolution.*		
Lenovo DisplayPort to DisplayPort Monitor Cable***	0A36537	*ann 09/13/11*
****Hardware requirement:* *All Lenovo systems and monitors with DisplayPort 1.1a or 1.2 interface.*		

ThinkVision Soundbar	45K1263	*ann 09/16/08*
Kensington® MicroSaver® Cable Lock	73P2582	*ann 12/29/03*
Kensington Twin Head Cable Lock	45K1620	*ann 09/30/08*
Lenovo Security Cable Lock	57Y4303	*ann 08/24/10*
Lenovo Easy Reach Monitor Stand	55Y9258	*ann 09/22/09*
ThinkCentre Extend Arm	57Y4352	*ann 07/06/10*

[46]Compatible on selected Lenovo and ThinkVision monitors.

Compatibility matrix

	USB-to-DVI Adapter (45K5296)	DisplayPort to VGA Cable (57Y4393)	DisplayPort to DVI-D Cable (45J7915)	Mini-DisplayPort to VGA Monitor Cable (0A36536)	ThinkVision Soundbar (45K1263)	MicroSaver Cable Lock (73P2582)	Twin Head Cable Lock (45K1620)	Security Cable Lock (57Y4303)	Easy Reach Monitor Stand (55Y9258)	Extend Arm (57Y4352)
LT1421						x	x	x		
L1711p	x*	x	x	x	x	x	x	x	x	x
D186		x		x		x	x	x	x	x
L197	x	x	x	x		x	x	x	x	x
L1900p	x	x	x	x	x	x	x	x	x	x
L1951p	x	x	x	x	x	x	x	x	x	x
LT1952p	x	x	x	x	x	x	x	x	x	x
L2021	x	x	x	x	x	x	x	x	x	x
LS2221				x		x	x	x	x	x
L2250p	x	x	x	x	x	x	x	x	x	x
L2251p	x	x		x	x	x	x	x	x	x
LT2252p	x	x	x	x	x	x	x	x	x	x
L2251x	x	x		x	x	x	x	x	x	x
L2321x	x	x		x	x	x	x	x	x	x
LS2421p				x		x	x	x	x	x
L2440p	x	x	x	x	x	x	x	x	x	x
LT2452p	x	x	x	x	x	x	x	x	x	x
End of marketing										
✂ L2461x		x		x		x	x	x	x	x
✂ L151	x	x				x	x		x	
✂ L151p	x	x	x			x	x		x	
✂ L171	x	x				x	x		x	
✂ L171p	x	x	x			x	x		x	
✂ L172	x	x				x	x		x	
✂ L174	x	x	x			x	x		x	
✂ L1700p	x	x	x			x	x		x	
✂ D185	x	x	x		x	x	x		x	
✂ L190x	x	x	x			x	x		x	
✂ L191	x	x				x	x		x	
✂ L192p	x	x	x			x	x		x	
✂ L193p	x	x	x			x	x		x	
✂ L194	x	x	x			x	x		x	
✂ L1940p	x	x	x			x	x		x	
✂ L200p	x	x	x			x	x		x	
✂ L201p	x	x	x			x	x		x	
✂ L2060	x	x	x			x	x	x	x	x
✂ L215	x	x	x		x	x	x		x	
✂ L215p	x	x			x	x	x		x	
✂ L220x	x	x				x	x		x	
✂ L2230x	x	x			x	x	x	x	x	x
✂ L2240p	x	x	x			x	x		x	
✂ L2440x	x	x	x		x	x	x		x	

** Character "x": option supported on monitor*

More information at **www.lenovo.com/support/monitoraccessories**

Other accessories at **www.lenovo.com/accessories**

Accessories Guide pdf at **www.lenovo.com/accessoriesguide**

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Availability: All offers subject to availability. Lenovo reserves the right to alter product offerings and specifications at any time, without notice. Lenovo is not responsible for photographic or typographic errors.

Warranty: For a copy of applicable product warranties, write to: Warranty Information, P.O. Box 12195, RTP, NC, 27709, Attn: Dept ZPYA/B676. Lenovo makes no representation or warranty regarding third party products or services.

[1] **ISO-compliant:** Compliance with ISO 9241 Part 3, ISO Part 7, ISO Part 8, and/or ISO 13406 Part 2 is dependent on a complete ISO-capable platform of a system unit, monitor, video subsystem, operating system and fonts.

[2] **VESA:** Requires attachment to suitably configured system with similarly enabled operating system.

[3] **ENERGY STAR:** As an ENERGY STAR partner, Lenovo has determined that this product meets the ENERGY STAR 4.0 or 4.1 guidelines for energy efficiency. Requires attachment to suitably configured system.

[4] **Limited warranty:** Support unrelated to a warranty issue may be subject to additional charges.

[5] **International Warranty Service** is available in any country in which this product is sold and serviced. Service delivery methods and parts availability vary by country, may be different from that in the country of purchase, and are subject to change without notice. Fees and restrictions may apply in some countries.

[6] **Lenovo pays all shipping costs** for warranty repairs during limited warranty period.

[7] **ThinkPlus and Lenovo Care Services:** These services are available for machines normally used for business, professional, or trade purposes, rather than personal, family, or household purposes. Not all machine types and models are covered. Service period begins with the equipment date of purchase. Service must be purchased during the original limited product warranty period. Service levels are response time objectives and are not guarantees. If the machine problem turns out to be a Customer Replaceable Unit (CRU), a part will be express shipped to you for quick replacement. Onsite 24x7x2-hour service is not available in all locations. P&L means parts and labor. P/U means pick-up. See terms and conditions for complete details and restrictions.

[8] **Telephone support** may be subject to additional charges, even during the limited warranty period. In the United States call 1-800-426-7378. Response times may vary. May exclude some holidays. If a machine is listed as having "On-site service for select repairs", this means that onsite service is available only for the replacement of select parts. For all other warranty repairs, Lenovo will provide the customer a replacement part for customer installation. The parts for which onsite service is available varies by machine, but may include the processor, power supply, heat sink, system board, or base cover. For machines with EasyServ or Courier service, Lenovo will attempt to diagnose and resolve the problem remotely before sending a courier.

[10] **TAA:** Monitor is compliant with the U.S. Federal Government's country-of-origin requirements prescribed in 48 C.F.R. Subpart 25.4; Trade Act Agreement (TAA) model.

[11] **Post-warranty annual maintenance agreement:** Service begins at the end of the base warranty or the end of any other applied warranty and maintenance option, whichever occurs last. Service delivery is not available the same day the maintenance agreement is purchased. Maintenance agreements must be purchased and the registration successfully completed prior to the service being available.

[12] **Halogen:** Less than 900 Parts Per Million. Low halogen is defined in accordance with IPC-401B and draft IPC-J-STD 709 Class 1 requirements.

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